PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 or Fax (571)-273-2885 INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fees retifications. maintenance fee notifications Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. CURRENT CORRESPONDENCE ADDRESS (Note; Use Block 1 for any change of address) 26818 09/11/2008 7590 Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. MARK G. MORTENSON POST OFFICE BOX 310 NORTH EAST, MD 21901-0310 (Depositor's name (Signature (Date ATTORNEY DOCKET NO CONFIRMATION NO. APPLICATION NO. FILING DATE FIRST NAMED INVENTOR 07/09/2003 Juliana H. J. Brooks BKL 113 (C) 9834 10/615,666 TITLE OF INVENTION: OPTIMIZING REACTIONS IN FUEL CELLS AND ELECTROCHEMICAL REACTIONS PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE APPLN, TYPE SMALL ENTITY ISSUE FEE DUE YES \$720 \$300 20 \$1020 12/11/2008 nonprovisional EXAMINER CLASS-SUBCLASS ART UNIT WONG, EDNA 429-010000 1795 Mark G. Mortenson 2. For printing on the patent front page, list 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363) (1) the names of up to 3 registered patent attorneys ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer listed, no name will be printed. Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY) (A) NAME OF ASSIGNEE Mechal Reserve, LLC Havre de Grace, MD Please check the appropriate assignee category or categories (will not be printed on the patent): 🔲 Individual 🗀 Corporation or other private group entity 🚨 Government 4a. The following fee(s) are submitted: 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) Assue Fee A check is enclosed. Payment by credit card. Form PTO-2038 is attached. Publication Fee (No small entity discount permitted) The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 50353 (enclose an extra copy of this form). Advance Order - # of Copies 5. Change in Entity Status (from status indicated above) □ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. Date 11 December 2008 Authorized Signature Registration No. 3 Typed or printed name 11 This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Stop ISSUE FEE
Commissioner for Patents

P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This	s form should be used	for transmitting the ISS	UE FEE and PUBLICA	TION FEE (if requ	ired). Blocks 1 through 5	should be completed where
indicated unless correct maintenance fee notification	ted below or directed of	herwise in Block 1, by (a) specifying a new corr	espondence address	vill be mailed to the currer; and/or (b) indicating a se	should be completed where nt correspondence address as parate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block I for any change of address)				e(s) Transmittal. The pers. Each additional	is certificate cannot be used	for domestic mailings of the I for any other accompanying nent or formal drawing, must
26818	7590 09/1	1/2008	ha	ve its own certificate	of mailing or transmission	
MARK G. MORTENSON POST OFFICE BOX 310 NORTH EAST, MD 21901-0310				Certificate of Mailing or Transmission I hereby certify that this Fec(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.		
					_ / Λ	(Depositor's name)
					1 /1	(Signature)
-34				7 9	1/1	(Date)
APPLICATION NO.	FILING DATE	*	FIRST NAMED INVENTO	R	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615,666	07/09/2003		Juliana H. J. Brooks		BKL 113 (C)	9834
TITLE OF INVENTION: OPTIMIZING REACTIONS IN FUEL CELLS AND ELECTROCHEMICAL REACTIONS						
	· 				÷.	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	RUBLICATION FEE DUE	PREV. PAID ISSUI	FEE TOTAL FEE(S) DU	E DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	12/11/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS	٦ - ٦	·	
WONG, EDNA		1795	429-010000	.		v + v
"Fee Address" indi	ondence address or indication ondence address (or Cha. 3/122) attached. ication (or "Fee Address' 2 or more recent) attach	nge of Correspondence	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.			
PLEASE NOTE: Unl recordation as set forth (A) NAME OF ASSIG	ess an assignee is identi h in 37 CFR 3.11. Comp GNEE L. Ludh	serve, UC	data will appear on the rail a substitute for filing an (B) RESIDENCE: (CITY	patent. If an assigned assignment. Y and STATE OR C	ountry) Grace, m)	document has been filed for
1a. The following fee(s) a	are submitted:	4b ermitted)	b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 50353. (enclose an extra copy of this form).			
a. Applicant claims	rus (from status indicated s SMALL ENTITY statu	above) s. See 37 CFR 1.27.	☐ b. Applicant is no lon	ger claiming SMAL	L ENTITY status. See 37 C	FR 1.27(g)(2).
NOTE: The Issue Fee and naterest as shown by the re-	l Publication Fee (if requeecords of the United Stat	ired) will not be accepted es Patent and Trademark	from anyone other than t	he applicant; a regis	tered attorney or agent; or t	he assignee or other party in
Authorized Signature Typed or printed name	Mark G	Maclaa	270		secember	2008
		1 (0) 401	is required to obtain or .14. This collection is est	Registration No		d by the USPTO to process) ng gathering, preparing, and

ın ubmitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete his form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Juder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.